FIG. 1
(PRIOR ART)

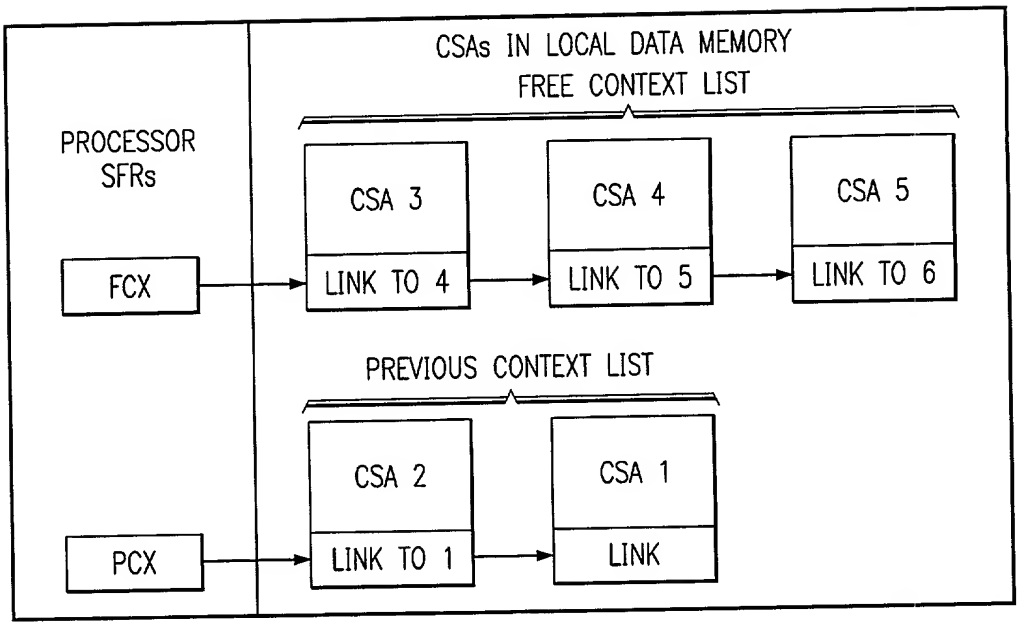

FIG. 2
(PRIOR ART)

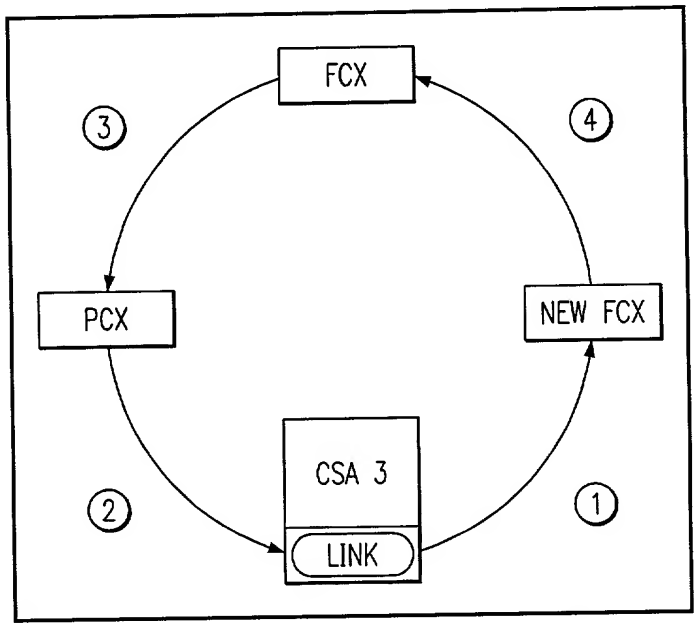

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FIG. 3
(PRIOR ART)

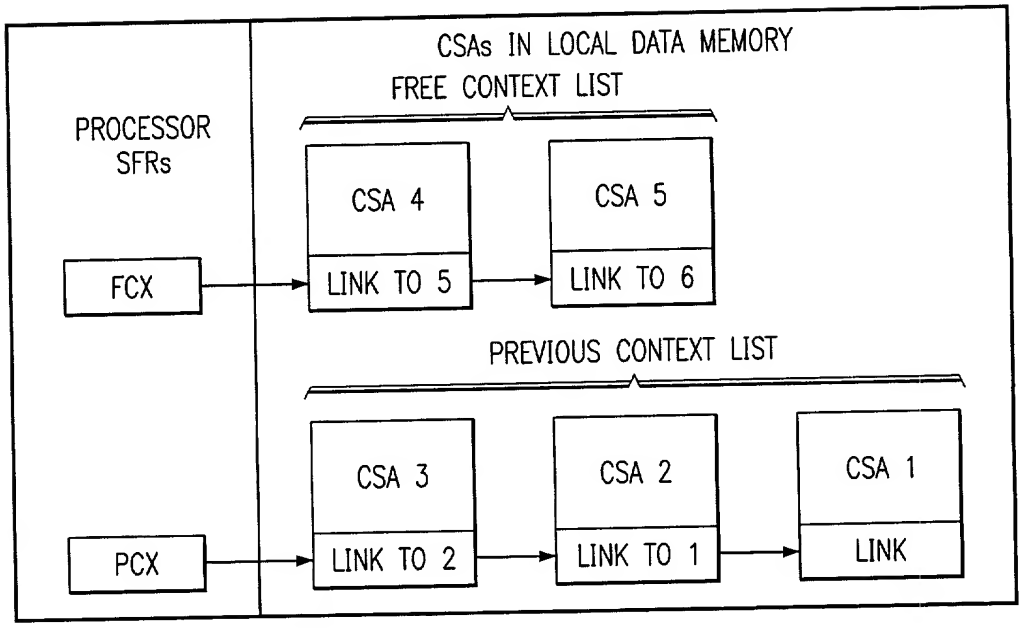

FIG. 4
(PRIOR ART)

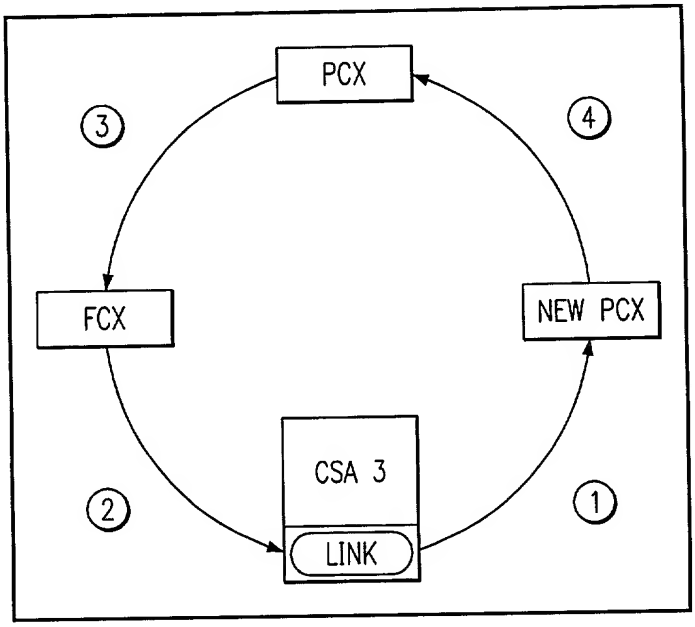

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FIG. 5A

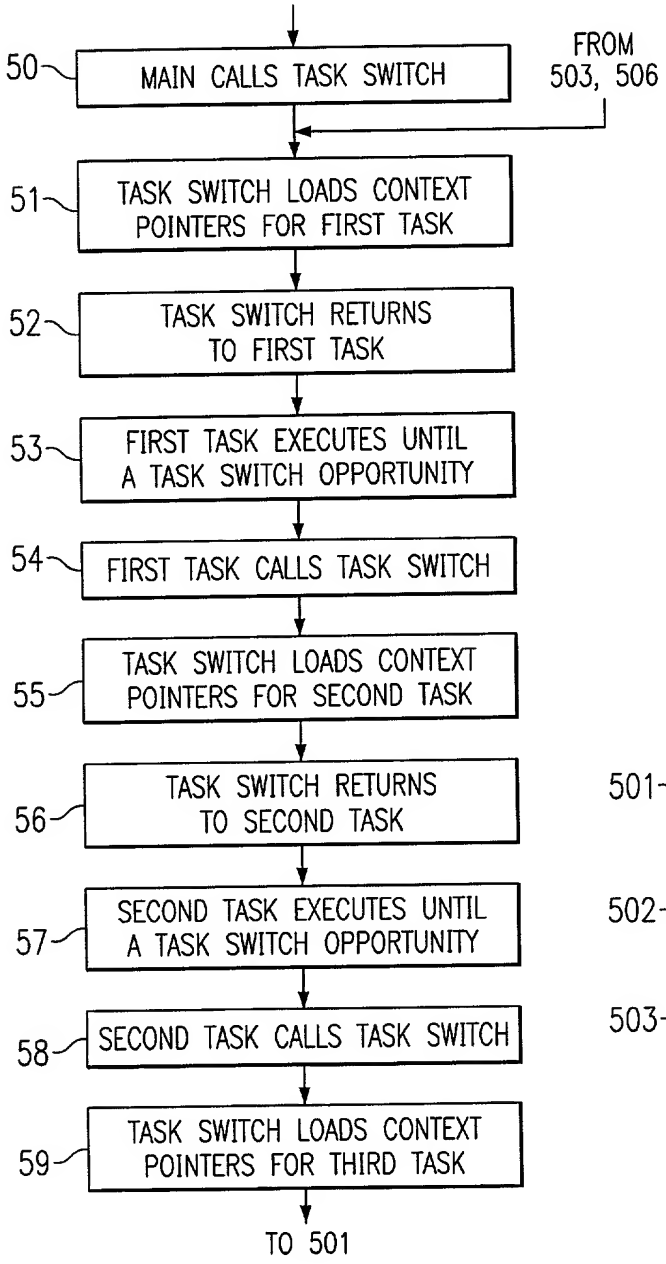

FIG. 5B

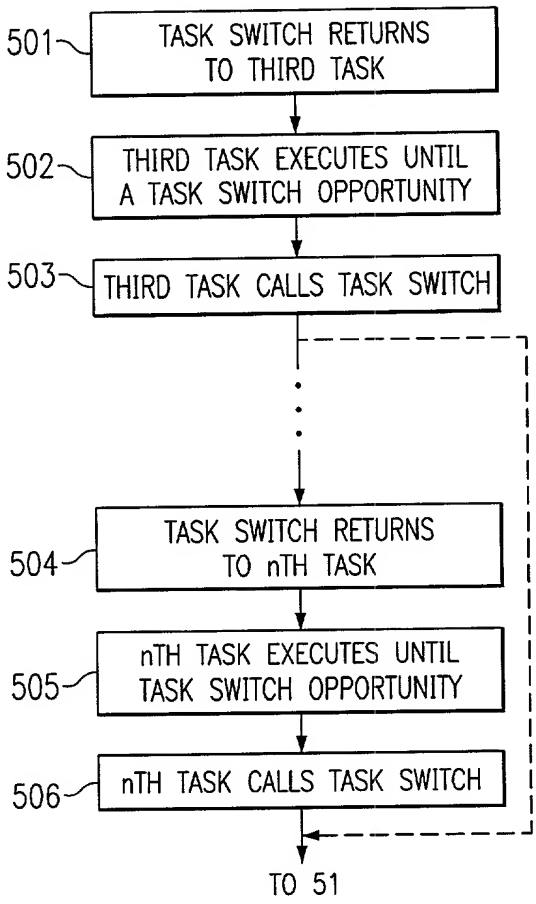

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FIG. 6

TASK	CPSA	CPSA CONTENTS	CPSA POINTER VALUE	CSA CHAIN
MAIN	CPSA 0	LCX0, FCX0, PCX0	0	CHAIN 0
TASK 1	CPSA 1	LCX1, FCX1, PCX1	1	CHAIN 1
TASK 2	CPSA 2	LCX2, FCX2, PCX2	2	CHAIN 2
TASK 3	CPSA 3	LCX3, FCX3, PCX3	3	CHAIN 3
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
TASK n	CPSA n	LCXn, FCXn, PCXn	n	CHAIN n

FIG. 7

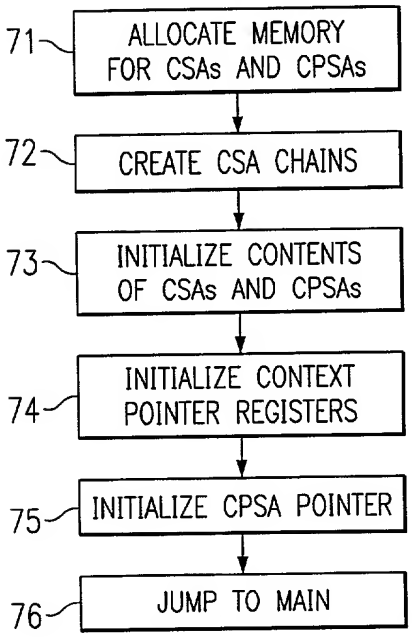

FIG. 8

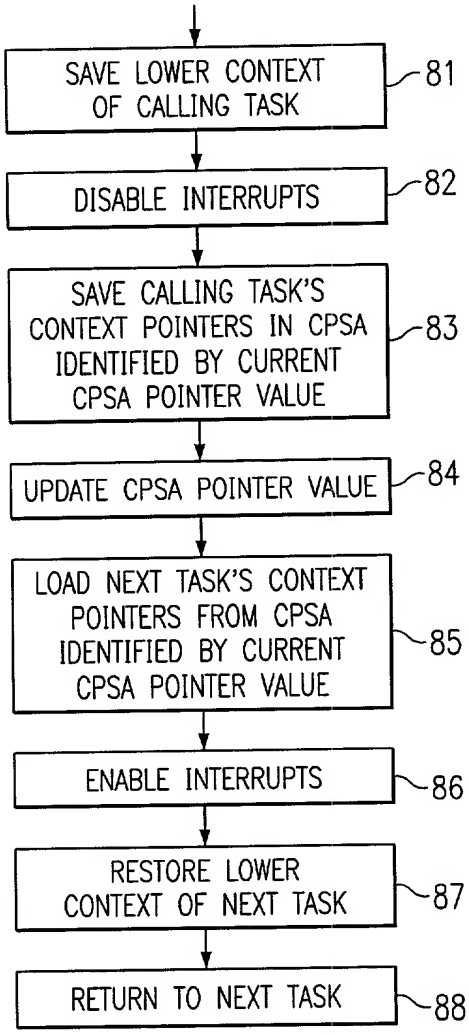

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FIG. 9

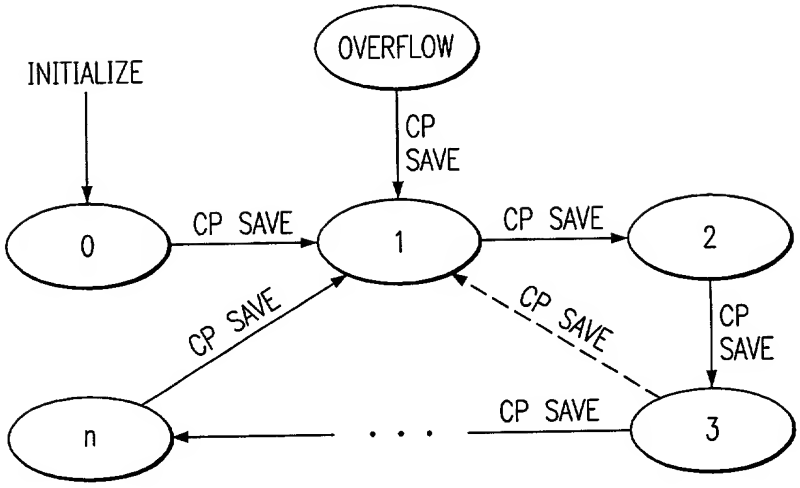
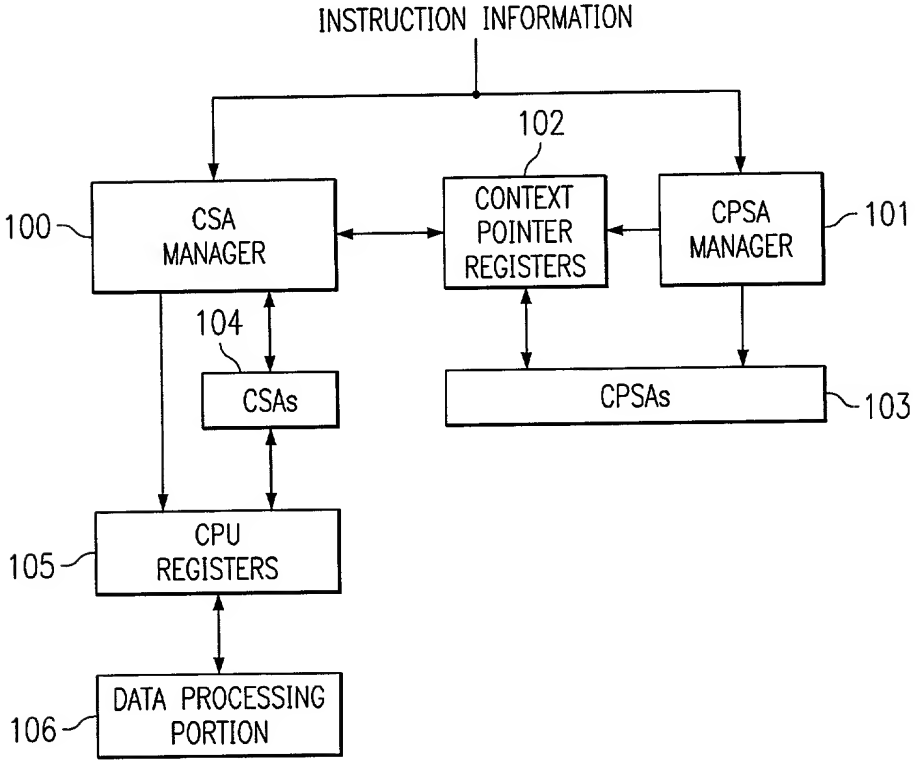

INITIALIZE
OVERFLOW
CP SAVE
0
CP SAVE
1
CP SAVE
2
CP SAVE
CP SAVE
CP SAVE
n
. . .
CP SAVE
3

FIG. 10


INSTRUCTION INFORMATION
102
100
CSA MANAGER
CONTEXT POINTER REGISTERS
CPSA MANAGER
101
104
CSAs
CPSAs
103
105
CPU REGISTERS
106
DATA PROCESSING PORTION